Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
Li	59181	(((359/2).Cal.s.) or ((359/566).Cal.s.) or ((359/569).Cal.s.) or ((359/558).Cal.s.) or ((359/571).Cal.s.) or ((359/572).Cal.s.) or ((356/72).Cal.s.) or ((356/73.1).Cal.s.) or ((385/12).Cal.s.) or ((385/128).Cal.s.) or ((385/128).Cal.s.) or ((385/128).Cal.s.) or ((250/559.04).Cal.s.) or ((250/559.11).Cal.s.) or ((250/559.4).Cal.s.) or ((250/227.14).Cal.s.) or ((250/227.29).Cal.s.) or ((250/227.29).Cal.s.) or ((250/227.29).Cal.s.) or ((250/227.29).Cal.s.) or ((250/227.29).Cal.s.) or ((435/4).Cal.s.) or ((435/6).Cal.s.) or ((435/288.7).Cal.s.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TOB	OR	ON	2007/01/05 11:12
L2	164	1 and ((diffract\$ or bragg) near3 grating\$2) and cod\$3 and ((indi\$3 or inde\$3) near3 refract\$4) and scatter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	OR	ON	2007/01/05 12:32
L3	102	1 and ((diffract\$ or bragg) near3 grating\$2) and cod\$3 and ((indi\$3 or inde\$3) near3 refract\$4) and (authenticat\$ or identif\$7) and (bead\$3 or particl\$2)	IBM_TOB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 12:52
L4	502	((diffract\$ or bragg) near3 grating\$2) and cod\$3 and ((indi\$3 or inde\$3) near3 refract\$4) and (authenticat\$ or identif\$7) and (bead\$3 or particl\$2) and substrat\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON .	2007/01/05 14:02
L5	411	4 and (chemical\$2 or assay\$3) and illuminat\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/01/05 13:06
L6	8	(((diffract\$ or bragg) near3 grating\$2) and cod\$3 and ((indi\$3 or inde\$3) near3 refract\$4) and (authenticat\$ or identif\$7) and (bead\$3 or particl\$2) and substrat\$2).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT;	OR	ON	2007/01/05 13:03
L7	26	(((diffract\$ or bragg) near3 grating\$2) and cod\$3 and ((indi\$3 or inde\$3) near3 refract\$4) and (authenticat\$ or identif\$7)).clm.	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ;	OR	ON	2007/01/05 13:03
L8	303	4 and (chemical\$2 or assay\$3) and illuminat\$ and scatter\$4 and optic\$4	IBM_TDB US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/05 13:07
	i		IBM_TDB			

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L9	. 59	((diffract\$ or bragg) near3 grating\$2) and cod\$3 and ((indi\$3 or inde\$3) near3 refract\$4) and ((authenticat\$ or identif\$7) with (bead\$3 or particl\$2) with (chemical\$2 or assay\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/05
			IBM_TDB			
51	2	wo-9715690-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/10/01 11:43
			IBM_TDB			
52	232	(359/2).Cals.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:06
		,	IBM_TDB			
53	903	(359/566).Ca.s.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:06
		•	: IBM_TDB	<u> </u>		
54	676	(359/569).Ca.s.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:06
			IBM_TDB			
S5	325	(359/558).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:06
			IBW_LDB			
S6	278	(359/571).CQ.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:06
ł			; IBM_TDB			
57	330	(359/572).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR .	OFF	2004/09/26 19:06
			; IBM_TOB			
S8	658	(356/72).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:06
ŀ		· · · · · · · · · · · · · · · · · · ·	IBW_LDB			

	004/09/26 9:07
IBM_TDB	
S10 1385 (385/12).CCLS. US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT OR OFF 20	004/09/26 9:07
· ; IBM_TDB	
S11 820 (385/128).CCLS. US-PGPUB; OR OFF 20	004/09/26 9:07
IBM_TOB	
	004/09/26 0:07
IBM_TOB	
USPAT; 19: USOCR; EPO; JPO;	004/09/26 0:07
DERWENT :	
IBM_TDB	
	004/09/26 0:07
S15 680 (250/559.4).CCLS. US-PGPUB; OR OFF 201 19: USPAT; USOCR; EPO; JPO; DERWENT	004/09/26 9:07
; IBM_TDB	
S16 629 (250/227.14).CCLS. US-PGPUB; OR OFF 200	004/09/26 :07
; IBM_TOB	
	004/09/26 :08
IBM_TDB	

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S18	669	(250/566).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:08
			IBW_LDB			
519	329	(250/568).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:08
			IBM_TDB			
S20	203	(235/473).Ca.s.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:08
			IBM_TDB			
S21	5177	(435/4). <i>CC</i> LS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:08
			IBW_TDB			
522	922	(435/288.7).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:08
			IBM_TDB			
523	710	(((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or ((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or ((356/72).CCLS.) or ((250/559.04).CCLS.) or ((250/559.11).CCLS.) or ((250/559.4).CCLS.) or ((250/227.14).CCLS.) or ((250/227.29).CCLS.) or ((250/566).CCLS.) or ((250/568).CCLS.) or ((250/227.29).CCLS.) or ((250/568).CCLS.) or ((250/473).CCLS.) or ((435/4).CCLS.) or ((435/473).CCLS.) or ((435/4).CCLS.) or ((435/473).CCLS.) or ((435/4).CCLS.) or ((350/566).CCLS.) or ((350/	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 11:35
524	575	(((((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or ((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or ((356/72).CCLS.) or ((356/73.1).CCLS.) or ((385/12).CCLS.) or ((385/12).CCLS.) or ((385/12).CCLS.) or ((250/559.04).CCLS.) or ((250/559.11).CCLS.) or ((250/559.4).CCLS.) or ((250/227.14).CCLS.) or ((250/227.29).CCLS.) or ((250/568).CCLS.) or ((250/227.29).CCLS.) or ((250/568).CCLS.) or ((250/568).CCLS.)) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2004/09/27 11:35
S25	2	("5,089,387").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/26 19:53
			; IBM_TDB			

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S26	17759	((359/2).CQ.S.) or ((359/566).CQ.S.) or ((359/569).CQ.S.) or ((359/558).CQ.S.) or ((359/571).CQ.S.) or ((359/572).CQ.S.) or ((356/72).CQ.S.) or ((356/73.1).CQ.S.) or ((385/12).CQ.S.) or ((385/128).CQ.S.) or ((385/37).CQ.S.) or ((250/559.04).CQ.S.) or ((250/559.11).CQ.S.) or ((250/559.4).CQ.S.) or ((250/227.14).CQ.S.) or ((250/227.29).CQ.S.) or ((250/227.29).CQ.S.) or ((235/473).CQ.S.) or ((435/4).CQ.S.) or ((435/288.7).CQ.S.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ОИ	2004/09/27 10:48
527	298	(((359/2).Cal.s.) or ((359/566).Cal.s.) or ((359/569).Cal.s.) or ((359/558).Cal.s.) or ((359/571).Cal.s.) or ((359/572).Cal.s.) or ((356/72).Cal.s.) or ((356/73.1).Cal.s.) or ((385/12).Cal.s.) or ((385/12).Cal.s.) or ((385/12).Cal.s.) or ((385/12).Cal.s.) or ((250/559.04).Cal.s.) or ((250/559.11).Cal.s.) or ((250/559.4).Cal.s.) or ((250/227.14).Cal.s.) or ((250/227.29).Cal.s.) or ((250/566).Cal.s.) or ((250/568).Cal.s.) or ((250/227.29).Cal.s.) or ((435/473).Cal.s.) or ((435/473).Cal.s.) or ((435/4).Cal.s.) or ((435/473).Cal.s.) or ((435/4).Cal.s.) or ((435/473).Cal.s.) or ((435/4).Cal.s.) or ((435/	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/27 11:37
528	29	("4539507" "4833092" "5034613" "5136572" "5141671" "5214409" "5252962" "5257011" "5266926" "5351052" "5405709" "5409783" "5434878" "5438878" "5448582" "5503805" "5558904" "5565324" "5604097" "5641634" "5751629" "5770358" "5770455" "5840485" "5874214" "5903340" "5981180" "6043023" "6096494").PN.	USPAT	OR	ON .	2004/09/27 11:23
529	26495	(435/6).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/27
530	168	(((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.11).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/266).Cals.) or ((250/227.29).Cals.) or ((250/266).Cals.) or ((250/266).Cals.) or ((250/267.14).Cals.) or ((250/26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TOB	OR	ON	2004/09/27 11:58
531	76	(((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((250/559.04).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/566).Cals.) or ((250/568).Cals.) or ((250/227.14).Cals.) or ((250/	US-PGPUB; USPAT; EPO; JPO; DERWENT; ; IBM_TDB	OR	ON	2004/09/27 12:03
532	154	((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 12:12
ŀ			IBM_TDB			

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533	0	WO-02061429-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 12:12
			IBM_TOB			
534	0	WO-0261429-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 12:12
		•	; IBM_TDB			
S35	0	WO-2002061429-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 12:12
			IBM_TDB			
536	1	WO-200261429-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 12:17
			IBM_TDB			
537	2	("20020127565").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/27 12:18
			; IBM_TDB			
538	19	("4539507" "4833092" "5034613" "5136572" "5141671" "5214409" "5252962" "5257011" "5266926" "5351052" "5405709" "5409783" "5438878" "5448582" "5558904" "5565324" "5641634" "5751629" "5770455").PN.	USPAT	OR	ON	2004/09/27 13:28
539	85	(((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 14:28
			IBW_TOB			
S40	9	((435/6).CCLS.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ;	OR	ON	2004/09/27 13:34
			IBW_TDB			
S41	6	((435/6).CCLS.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/09/27 14:02
542	77	((435/6).CCLS.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2004/09/27 14:02
			IBM_TDB			

			,	, 	,	
543	333	(particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (bragg near3 (grating or mirror or reflect\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 17:04
	-		IBM_TDB			
544	234	((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (bragg near3 (grating or mirror or reflect\$))) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 14:29
			IBM_TDB			
S45	241	(particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (grating with (refract\$ near3 ind\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 17:31
			IBM_TDB			
546	66	(particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (grating with (refract\$ near3 ind\$4) with (vary\$3 or varia\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 17:07
			IBM_TDB			
547	150	(particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead)) and (tag\$4 or label\$4 or cod\$3 or encod\$3) and (grating near3 refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 17:49
			; IBM_TDB			·
548	2	((fiber or bragg or phase) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 17:52
			; IBM_TDB			
549	32	grating with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (particle or bead or microparticle or micro?bead or (micro near3 particle) or (micro near3 bead))	US-P6PUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:13
			IBW_TDB			
S50	539	grating with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (substrate or film or layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:14
			IBW_TDB			
S51	61	((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4) with (substrate or film or layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:22
			: IBW_TDB			
S52	343	(((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and combinat\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:23
			; IBM_TDB			

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· S53	2	((((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and combinat\$) and (refract\$ near3 ind\$4) and assay	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:23
			IBM_TDB	!		
S54		((((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and combinat\$) and assay	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:23
			IBM_TDB			
S55	2	(((bragg or phase or fiber) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4)) and assay\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:24
			IBM_TDB			
S56	5	(((bragg or phase or fiber or hologra\$) near3 grating) with (embed\$ or encod\$3 or tag\$4 or label\$4)) and assay\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:25
			; IBM_TDB			
S57	9	(((bragg or phase or fiber or hologra\$) near3 grating) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$)) and assay\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/27 18:29
		·	IBM_TDB			
S58	93	((bragg or phase or fiber or hologra\$) near3 grating) with (particle or bead or microparticle or microbead or micro?bead or (micro near3 particle) or (micro near3 bead))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 09:03
			: IBM_TDB			
S59 ⁻	37374	((bragg or phase or fiber or hologra\$) near3 grating) or ((vary\$ or varia\$) with refract\$ with ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 12:27
			IBM_TOB			
S60	4343	(((bragg or phase or fiber or hologra\$) near3 grating) or ((vary\$ or varia\$) with refract\$ with ind\$4)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 11:10
		identif\$))	IBW_TOB			
S61	344	((((bragg or phase or fiber or hologra\$) near3 grating) or ((vary\$ or varia\$) with refract\$ with ind\$4)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$))) and (assay\$3 or combinator\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/28 11:11
562	22407	((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28
			: IBM_TDB			

2786	(((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$))	US-PGPU8; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/28 11:11
249	((((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating)) and ((particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$))) and (assay\$3 or combinator\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/28 11:12
167547	(index\$ or address\$) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film)	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2004/09/28 11:22
		IBW_TDB		}	
6664	((index\$ or address\$) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film)) same grating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28
		IBM_TDB			
140	(((index\$ or address\$) with (particle or bead or microparticle or microbead or micro?particle or micro?bead or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film)) same grating) and (refract\$ near3 ind\$4) and (assay or combinator\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 11:40
		; IBM_TDB			
1	("re37473").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 11:41
		TRM TOR			
1	("re37891").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 11:41
		;			
	("re33581").PN.	US-PGPUB; USPAT; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 11:42
		: IBM_TDB			
76	(("3968476") or ("4011435") or ("4023010") or ("4053228") or ("4131337") or ("4386274") or ("4445229") or ("4560881") or ("4562157") or ("4647544") or ("4678752") or ("4685480") or ("4740688") or ("4748110") or ("4767719") or ("4816659") or ("4841140") or ("4877747") or ("4880752") or ("4882288") or ("4921805") or ("4931384") or ("4958376") or ("4992385") or ("5003600") or ("5033826") or ("5067155") or ("5081012") or ("5089387") or ("5095194") or ("5100238") or ("5115121") or ("5118608") or ("5138468") or ("5141848") or ("5144461") or	US-PEPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 11:59
	167547 6664 140	((index\$ or address\$) with (particle or bead or microparticle or micropead or or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$)) 249 (((bragg or phase or fiber or hologra\$ or volume) near3 grating) or (period\$ with refract\$ with ind\$4 with grating)) and ((particle or bead or microparticle) or (microbead or micropeaticle) or microbead or micropeaticle or microbead or micropeaticle) or (micro near3 bard) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$))) and (assay\$3 or combinator\$) (index\$ or address\$) with (particle or bead or microparticle or microbead or microparticle or microbead or micropeaticle or microbead or microparticle or microbead or micropart	([pariodd with refracts with ind\$4 with gratins)] and ([particle or bead or microparticle) or (micro near3 particle) or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tog\$\$4 or label\$4 or identif\$)	(geriod\$ with refract\$ with ind\$4 with grating)) and (genticle or bead or micropparticle or microbpact or microbpa	((geriod\$ with refract\$ with ind\$4 with grating) and ((particle or bead or microsparticle) or microbead or (micro near3 bead) or fiber or substrate or layer or film) with (embed\$ or encod\$3 or cod\$3 or tog\$4 or label\$4 or identif\$)) 249 ((((brags or phase or fiber or hologing\$ or volume) near3 grating) or (USPAT; BPO, IPO, DefaWENT) (((brags or phase or fiber or hologing\$ or volume) near3 grating) or (USPAT; BPO, IPO, IPO, IPO, IPO, IPO, IPO, IPO, I

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572 9	(("5196350") or ("5200794") or ("5291006") or ("5291027") or ("5300764") or ("5310686") or ("5349442") or ("5352582") or ("5364797") or ("5374816") or ("5374818") or ("5394234") or ("5442433") or ("5448659") or ("5461528") or ("5461475") or ("5465176") or ("5468649") or ("5506674") or ("5514785") or ("5528045") or ("5528045") or ("5527040") or ("5627663") or ("5633724") or ("5663790") or ("5667976") or ("5721912") or ("5721435") or ("5729365") or ("5736330") or ("5742432") or ("5760961") or ("5766956") or ("5799231") or ("5801857") or ("5804384") or ("5822472") or ("5824478") or ("5824557") or ("5831698") or ("5837475") or ("5841555")).PN.	US-PEPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 12:18
573	(("5451528") or ("5712912")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 12:19
S74 90	(("5846737") or ("5874187") or ("5895750") or ("5922550") or ("5925562") or ("5925562") or ("5925878") or ("5945679") or ("5986838") or ("5989923") or ("598996") or ("6001510") or ("6017754") or ("6025129") or ("6025283") or ("6036807") or ("6043880") or ("6046925") or ("6049727") or ("6057107") or ("6060256") or ("6067167") or ("6067392") or ("6078048") or ("6087186") or ("6096496") or ("6097485") or ("6103535") or ("6118127") or ("6160240") or ("6160656") or ("6164548") or ("6165592") or ("6165648") or ("6194563") or ("6218194") or ("6221579") or ("6229635") or ("6259450") or ("6268128") or ("6284459") or ("6306587") or ("6309601") or ("6312961") or ("6313771") or ("6314220") or ("6319668")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TOB	OR	OFF	2004/09/28
S75 72	(("6322932") or ("6329963") or ("6331273") or ("6352854") or ("6355198") or ("6371370") or ("6372428") or ("6399295") or ("6406841") or ("6406848") or ("6416714") or ("6417010") or ("6428707") or ("6428957") or ("6433849") or ("6436651") or ("6489606") or ("6496287") or ("6506342") or ("6515753") or ("6522406") or ("6524793") or ("6533183") or ("6560017") or ("6565770") or ("6592036") or ("6594421") or ("6609728") or ("6613581") or ("6618342") or ("6622916") or ("6628439") or ("6632655") or ("6635470") or ("6678429") or ("6689316") or ("6692912")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 12:48
576 12	(("20020090650") or ("20030129654") or ("20020022273") or ("20030138208") or ("20030032203") or ("20030021003")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/09/28 12:52
577 4	(("5671308") or ("6340588")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/09/28 12:52
S78 4262	(436/518).CCL.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/28 12:59

		<u> </u>				
579	742	(436/524).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 12:58
		•	IBW_TDB			
580	524	(436/525).Ca.s.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT	OR .	OFF	2004/09/28 12:58
			; IBM_TDB			
581	627	(436/526).Ca.s.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 12:58
			IBM_TDB			
582	786	(436/527). <i>CC</i> LS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 12:58
		·	IBM_TDB			
583	940	(436/528).Ca.S.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 12:59
			IBM_TDB			
584	1346	(436/531).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/09/28 12:59
			IBM_TOB	i		
S85	6123	((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/526).CCLS.) or ((436/531).CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 12:59
			IBW_LDB			
586	144	((((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/527).CCLS.) or ((436/528).CCLS.) or ((436/531).CCLS.)) and grating) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 13:00
			IBM_TDB			
587	226	(((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/527).CCLS.) or ((436/528).CCLS.) or ((436/531).CCLS.)) and grating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/28 13:49
			: IBM_TDB			'

		T				
588	442	(modulat\$ with refract\$ with ind\$4 with grating) and (embed\$ or encod\$3 or cod\$3 or tag\$4 or label\$4 or identif\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/09/28 13:51
589	34	(modulat\$ with refract\$ with ind\$4 with grating) and (assay\$3 or combinator\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/29 09:49
590		WO-9636436-\$.did.	US-PGPUB: USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/09/29 09:58
591	120	(LED or (light near3 emi\$5 near3 diode)) same bragg same (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; ; IBM_TDB	OR	ON	2004/09/29 09:59

592	18	((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or	US-PGPUB;	OR	ON	2004/09/29
		· · · · · · · · · · · · · · · · · · ·	USPAT;		1	12:15
- 1		US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$	EPO; JPO;			i
ŀ		or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$	DERWENT			
İ		or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or	;	· ·		
		US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or	IBM_TDB			
		US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).			İ	
		did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or			1	1
- 1		US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$				
		or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or				
		US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$				
		or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or			1	
		US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or				
		US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$				
		or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or				
		US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or				
İ		US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$				
		or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or				
		US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$:		ŀ	
		or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or	i		i	
		US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or		,		1
1		US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).				
- 1		did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or				
ŀ		US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$				
		or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or				
		US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$			1	1
		or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or				1
- 1		US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or				
ļ		US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or				
		US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or				
		US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or				
		US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or				
		US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or			1	
		US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or				
ľ		US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or				
		US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or				
		US-20030207258-\$).did. or (US-20030207257-\$ or				'
-		US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or			l	
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	İ	US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or				İ
		US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or				
		US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or				
		US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or			1	
		US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or			1	
	i	US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or			İ	
l		US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or				
		US-20030068657-\$ or US-20030124599-\$).did. or				1
		(US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or	l			
		US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or	J			
	ĺ	US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or				
- 1]	US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or				
		US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or				
	ŀ	US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or				
	ŀ	US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did.				
		or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and (magnet\$				
	1	same (orient\$ or align\$))				

593	60	((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$	US-PGPUB;	OR	ON	2004/09/29
1		or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or	USPAT;	l	1	12:54
		US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$	EPO; JPO;			
		or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$	DERWENT	1		
		or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or	;			
		US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or	IBM_TOB		1	
		US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).				l
- 1		did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or		i	1	
ł		US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$				
		or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or				
		US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$] '
- 1		or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or			1	
		US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or				
- 1						
		US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$				
		or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or				
		US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or			1	
- 1		US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$			1	
1	i	or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or				
		US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$				
		or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or				
İ		US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or				
	.	US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).				
		did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or				
		US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$				
1		or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or				
j		US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$				
ļ		or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or				
		·				
		US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or				
		US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or				
		US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or				
		US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or				
		US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or				
		US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or				
		US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or				1
	i	US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or				
- 1		US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or				
- 1		US-20030207258-\$).did. or (US-20030207257-\$ or				
- 1	i	US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or				
	Ī	US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or				<u> </u>
		US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or				
- 1		US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or				1
ľ	- 1	US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or				
	ľ	US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or	į		1	
ŀ		US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or			[
		US-20030026691-\$ or US-2003001/380-\$ or US-20020192680-\$ or				İ
	l	US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or	i		ļ	
	ľ	US-20030068657-\$ or US-20030124599-\$).did. or			ļ	
		(US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or				· ·
		US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or				
	ŀ	US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or				
		US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or				
		US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or				
		US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or	ļ			
		US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did.				
		or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and (low\$5 with				
	ļ		1			
	1	refract\$ with ind\$4)				

594	29	((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or	US-PGPUB; USPAT;	OR	ON	2004/09/29
		US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$				12.50
		or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$	EPO; JPO; DERWENT	1		
		or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or				
		US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or	IBW_TDB			
		US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).	10//_108			1
		did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or				
		US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$			Ì	
		or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or			ļ	
		US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$			İ	
		or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or				
		US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or				
- 1		US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$				
		or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or				
- 1		US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or		!		
		US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$				
		or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or				
		US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$				
		or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or				
		US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or				
		US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).			1	
		did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or			İ	
		US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$				
		or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or				
1		US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$				
		or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or				
- 1		US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or				
l		US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or			1	
		US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or				
		US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or				
		US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or				
		US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or				
		US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or				
		US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or				
		US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or				
- 1		US-20030207258-\$).did. or (US-20030207257-\$ or				
ŀ		US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or				
		US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or				
		US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or				
		US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or				
j		US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or	·			
		US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or				
		US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or				
- 1		US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or				
		US-20030068657-\$ or US-20030124599-\$).did. or				
		(US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or				
		US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or				
1		US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or				
j		US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or				
		US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or				
		US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or			1	
		US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did.				
ļ		or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and (low\$5 with			1	
		refract\$ with ind\$4 with grating)				

95	175	(US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$	US-PGPUB;	OR	OFF	2004/09/30
		or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or	USPAT;			13:13
ŀ		US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$	EPO;			
- 1		or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$	DERWENT			
		or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or				
		US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or			-	
		US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).			1	
		did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or			1	
		US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$				
		or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or				
ł		US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$		1		
		or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or				
		US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or				
1		US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$		l		
		or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or				
İ		US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or				
		US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$				
		or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or			1	
- 1		US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$				
		or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or			1	
		US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or			1	
		US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).				
		did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or				
- 1		US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$				
i		or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or				
		US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$				
		or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or				
1	i	US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or				
	i	US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or				
	Ī	US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or			1	
		US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or				
		US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or			1	
		US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or				
		US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or				
		US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or				
	- 1	US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or				
		US-20030207258-\$).did. or (US-20030207257-\$ or				
İ		US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or				
		US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or				
		US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or				
	İ	US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or				
		US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or				
		US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or	i			
		US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or	ľ			1
-	į	US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or	ļ			
	ŀ	US-20030068657-\$ or US-20030124599-\$).did. or				
		(US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or	ļ			Į.
		US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or				1
		US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or				
		US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or			1	
		US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or	i		1	
		US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or			1	
		US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did.	j			
		or (WO-9636436-\$).did. or (US-20020127565-\$).did.			1	

	ı	T	1	T	T	T
596	15	((US-6785433-\$ or US-5089387-\$ or US-6751387-\$ or US-6694067-\$ or US-6542673-\$ or US-6506342-\$ or US-6096496-\$ or	US-PGPUB; USPAT:	OR	ON	2004/09/30 13:19
		US-6483096-\$ or US-6436651-\$ or US-6434298-\$ or US-6399295-\$	EPO; JPO;	1		13.19
		or US-6395558-\$ or US-6350413-\$ or US-6317528-\$ or US-6312961-\$	DERWENT			
		or US-6289144-\$ or US-6078705-\$ or US-6035082-\$ or	:			
		US-6005691-\$ or US-5994150-\$ or US-5961924-\$ or US-5832165-\$ or	IBM_TDB			
	i	US-5822472-\$ or US-5814565-\$ or US-5745615-\$ or US-5646400-\$).				
		did. or (US-5455178-\$ or US-5446534-\$ or US-5210404-\$ or				
		US-5172250-\$ or US-5113286-\$ or US-5082629-\$ or US-4892385-\$				
		or US-4815843-\$ or US-4767719-\$ or US-4576439-\$ or				
		US-6591054-\$ or US-5903340-\$ or US-5770455-\$ or US-5565324-\$	1			
		or US-6365907-\$ or US-5841555-\$ or US-5627663-\$ or				
		US-5066133-\$ or US-4568141-\$ or US-6586193-\$ or US-6579673-\$ or		-		
		US-6352828-\$ or US-6280935-\$ or US-6268222-\$ or US-6251691-\$				
		or US-6235475-\$ or US-6214560-\$).did. or (US-6172218-\$ or		i		
		US-6172214-\$ or US-6150516-\$ or US-5846719-\$ or US-5352582-\$ or	İ			
		US-5780231-\$ or US-6469785-\$ or US-6087655-\$ or US-5793485-\$ or US-5784157-\$ or US-5608519-\$ or US-5071248-\$ or		İ		
		US-4876208-\$ or US-6093536-\$ or US-5100238-\$ or US-4647544-\$			i	
		or US-6437345-\$ or US-5922550-\$ or US-RE33581-\$ or				
		US-5118608-\$ or US-5081012-\$ or US-5003600-\$ or US-4931384-\$ or				
		US-4880752-\$ or US-4023010-\$ or US-4011435-\$ or US-5742432-\$).				
		did. or (US-5729365-\$ or US-5506674-\$ or US-5442433-\$ or		1	1	
		US-5394234-\$ or US-5374816-\$ or US-5300764-\$ or US-5291027-\$			1	1
		or US-6314220-\$ or US-6292282-\$ or US-6221579-\$ or				
		US-6087186-\$ or US-6060256-\$ or US-6036807-\$ or US-5925878-\$				
		or US-5671308-\$ or US-6346376-\$ or US-5989923-\$ or				
		US-5478527-\$ or US-5156810-\$).did. or (US-20040179267-\$ or				
		US-20040179266-\$ or US-20040132172-\$ or US-20040130786-\$ or				
		US-20040130761-\$ or US-20040125424-\$ or US-20040075907-\$ or			-	
		US-20040022475-\$ or US-20030231818-\$ or US-20030215185-\$ or				
		US-20030138207-\$ or US-20030133640-\$ or US-20020141702-\$ or				
		US-20020076154-\$ or US-20020041724-\$ or US-20020041723-\$ or				•
		US-20040130760-\$ or US-20040021945-\$ or US-20030219205-\$ or			ļ	
		US-20020196994-\$ or US-20020191913-\$ or US-20040181344-\$ or				
		US-20020127565-\$ or US-20040126875-\$ or US-20040038307-\$ or			,	
		US-20030207258-\$).did. or (US-20030207257-\$ or		'		
		US-20030207255-\$ or US-20030207254-\$ or US-20030207253-\$ or				
		US-20030113766-\$ or US-20030104390-\$ or US-20030059855-\$ or US-20030032039-\$ or US-20030027328-\$ or US-20030027327-\$ or			ŀ	
		US-20030032039-5 or US-2003002/328-5 or US-2003002/32/-5 or US-20030017581-\$ or US-20020028451-\$ or US-20010004526-\$ or				
- 1		US-20030049620-\$ or US-20020155507-\$ or US-20040151626-\$ or				
		US-20040132214-\$ or US-20040132205-\$ or US-20030092075-\$ or				
		US-20030026891-\$ or US-20030017580-\$ or US-20020192680-\$ or				
		US-20020168295-\$ or US-20020025534-\$ or US-20040145752-\$ or				
į	•	US-20030068657-\$ or US-20030124599-\$).did. or		-		
		(US-20040175843-\$ or US-20040175842-\$ or US-20030129654-\$ or				
		US-20030077660-\$ or US-20030162296-\$ or US-20030142713-\$ or			1	
		US-20030142704-\$ or US-20040053295-\$ or US-20040046128-\$ or				
ŀ		US-20030207328-\$ or US-20030157731-\$ or US-20030148542-\$ or				
		US-20030132406-\$ or US-20030082587-\$ or US-20020104762-\$ or				
		US-20020090613-\$ or US-20040063146-\$ or US-20030207256-\$ or			1	
1		US-20020034457-\$ or US-20020022273-\$ or US-20010031503-\$).did.			1	
		or (WO-9636436-\$).did. or (US-20020127565-\$).did.) and split and				
-		pool			1	
97	394	combinator\$ and (split\$4 near3 pool\$3)	US-PGPUB;	OR	ON	2004/09/30
		, , , , , , , , , , , , , , , , , , ,	USPAT;			13:20
			EPO; JPO;			
- 1			DERWENT			
			;			
			IBM_TDB			i
		("6692031").PN.		00	655	0005 (05 (5-
5104	ا ر	1 UU7EU31 I.FIN.	US-PGPUB;	OR	OFF	2005/05/05
5104	2	(*** ***				47.47
5104	2	,	USPAT;			17:16
5104	2	(USPAT; EPO; JPO;			17:16
5104	2		USPAT;			17:16

S105	646	(((((359/2).Ca.S.) or ((359/566).Ca.S.) or ((359/569).Ca.S.) or ((359/558).Ca.S.) or ((359/572).Ca.S.) or ((359/572).Ca.S.) or ((356/72).Ca.S.) or ((356/73.1).Ca.S.) or ((385/12).Ca.S.) or ((385/128).Ca.S.) or ((385/128).Ca.S.) or ((385/128).Ca.S.) or ((250/559.04).Ca.S.) or ((250/559.11).Ca.S.) or ((250/559.4).Ca.S.) or ((250/227.14).Ca.S.) or ((250/227.29).Ca.S.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 19:00
S106	. 337	(((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or ((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or ((356/72).CCLS.) or ((356/73.1).CCLS.) or ((385/12).CCLS.) or ((385/128).CCLS.) or ((385/128).CCLS.) or ((250/559.04).CCLS.) or ((250/559.11).CCLS.) or ((250/559.4).CCLS.) or ((250/227.14).CCLS.) or ((250/227.29).CCLS.) or ((250/566).CCLS.) or ((250/568).CCLS.) or ((235/473).CCLS.) or ((435/4).CCLS.) or ((435/288.7).CCLS.)) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR .	ОИ	2005/05/05 19:01
S107	193	((((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 19:01
S108	. 84	(((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((250/559.04).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/566).Cals.) or ((250/568).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 19:01
5109	174	((435/6).CQLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)	US-PGPUB; USPAT; EPO; JPO; DERWENT; ; IBM_TDB	OR	ON	2005/05/05 19:01
S110	97	(((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 19:01
5111	11	((435/6).CCLS.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2005/05/05 19:01

5112	8	((435/6).CQ_S.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or	US-PGPUB; USPAT;	OR	ON	2005/05/05 19:02
		information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	EPO; JPO; DERWENT ;			
			IBW_TOB			
5113	89	((435/6).CCLS.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/05 19:02
			IBM_TOB			
S114	150	((((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/526).CCLS.) or ((436/531).CCLS.)) and grating) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/05/05 19:02
		·	IBM_TDB			
5115	246	(((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or	US-PGPUB;	OR	ON	2005/05/05
		((436/526).CCLS.) or ((436/527).CCLS.) or ((436/528).CCLS.) or ((436/531).CCLS.)) and grating	USPAT; EPO; JPO; DERWENT			19:03
			IBM_TDB			
S116	6	(("20040247229") or ("20040247486") or ("20040197816")).PN.	US-PGPUB; USPAT; EPO; JPO;	OR	OFF	2005/05/05 19:56
·			DERWENT ;			
S117	. 28	(optic\$4 near4 (vary\$4 or varia\$4) near4 (device or element)) same	IBM_TOB	OR	ON	2005/05/05
	20	hologra\$ same embed\$	USPAT; EPO; JPO; DERWENT	OR .	ON	20:00
		•	IBW_LDB			
S118	16	(optic\$4 near4 (vary\$4 or varia\$4) near4 (device or element)) and (hologra\$ same embed\$ same substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR ·	ON	2005/05/05 20:01
		•	IBM_TDB			
S119	47	(("20020039732") or ("20030077038") or ("3891302") or ("3916182") or ("4725110") or ("4807950") or ("5367588") or ("5388173") or ("5559613") or ("5745815") or ("5981166") or ("6096596") or	US-PGPUB; USPAT; EPO; JPO;	OR	OFF	2005/12/20 15:05
	,	("6159748") or ("6160656") or ("6174648") or ("6156501") or ("6355432") or ("6403320") or ("6416952") or ("6440667") or ("6544739") or ("6576424") or ("6646243") or ("4537504") or ("5633975")).PN.	DERWENT; IBM_TDB			
5120	90	(((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or	US-PGPUB;	OR	ON	2005/12/20
	, ,	((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or	USPAT;	, U.		15:34
		((356/72).CCLS.) or ((356/73.1).CCLS.) or ((385/12).CCLS.) or ((385/128).CCLS.) or ((385/37).CCLS.) or ((250/559.04).CCLS.) or	EPO; JPO; DERWENT			
		((250/559.11).Cal.s.) or ((250/559.4).Cal.s.) or ((250/227.14).Cal.s.) or ((250/227.29).Cal.s.) or ((250/566).Cal.s.) or ((250/568).Cal.s.) or ((250/473).Cal.s.) or ((435/4).Cal.s.) or ((435/473).Cal.s.) or ((435/4).Cal.s.)	; IBM_TDB			
		(((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or				
		waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))				

	·		· · · · · · · · · · · · · · · · · · ·	
3 (((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM TDB	OR	ON	2005/12/20 15:34
((435/6).CQLS.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2005/12/20 15:34
(((359/2).Ca.S.) or ((359/566).Ca.S.) or ((359/569).Ca.S.) or ((359/558).Ca.S.) or ((359/571).Ca.S.) or ((359/572).Ca.S.) or ((356/72).Ca.S.) or ((356/72).Ca.S.) or ((356/72).Ca.S.) or ((356/72).Ca.S.) or ((356/72).Ca.S.) or ((356/72).Ca.S.) or ((250/559.04).Ca.S.) or ((250/559.11).Ca.S.) or ((250/559.11).Ca.S.) or ((250/559.11).Ca.S.) or ((250/227.14).Ca.S.) or ((250/227.29).Ca.S.) or ((250/566).Ca.S.) or ((250/568).Ca.S.) or ((235/473).Ca.S.) or ((435/4).Ca.S.) or ((435/288.7).Ca.S.)) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:34
((435/6).CCLS.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/12/20 15:34
((435/6).CCLS.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/12/20 15:35
((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	OR	ON	2005/12/20 15:35
(((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or ((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or ((356/72).CCLS.) or ((356/73.1).CCLS.) or ((385/12).CCLS.) or ((385/12).CCLS.) or ((385/12).CCLS.) or ((385/12).CCLS.) or ((250/559.04).CCLS.) or ((250/559.11).CCLS.) or ((250/559.11).CCLS.) or ((250/559.11).CCLS.) or ((250/568).CCLS.) or ((250/227.29).CCLS.) or ((250/566).CCLS.) or ((250/568).CCLS.) or ((235/473).CCLS.) or ((435/4).CCLS.) or ((435/288.7).CCLS.)) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:35
((((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/526).CCLS.) or ((436/531).CCLS.)) and grating) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/20 15:35
99	and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) ((435/6).CQ.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) (((359/2).CQ.S.) or ((359/566).CQ.S.) or ((359/569).CQ.S.) or ((359/568).CQ.S.) or ((359/571).CQ.S.) or ((359/572).CQ.S.) or ((356/72).CQ.S.) or ((356/731).CQ.S.) or ((250/569.4).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/227.29).CQ.S.) or ((250/566).CQ.S.) or ((250/227.29).CQ.S.) or ((250/566).CQ.S.) or ((250/569.1).CQ.S.) or ((250/566).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/566).CQ.S.) or ((250/569.1).CQ.S.) or ((250/569.1).CQ.S.) or ((250/566).CQ.S.) or ((250/569.1).CQ.S.) or ((250/566).CQ.S.) or ((250/569.1).CQ.S.) or ((250/566).CQ.S.) or ((250/566).CQ.S.) or ((250/566).CQ.S.) or ((250/566).CQ.S.) or ((250/566).CQ.S.) or ((350/50).Q.S.) or ((350/50).CQ.S.) or ((350/50).CQ.S.) or ((350/50).CQ.S.) or ((350/50).Q.S.	and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) ((435/6).Cal.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2) (((359/2).Cal.S.) or ((359/566).Cal.S.) or ((359/572).Cal.S.) or ((359/573).Cal.S.) or ((359/573).Cal.S.) or ((359/573).Cal.S.) or ((359/573).Cal.S.) or ((250/559.4).Cal.S.) or ((250/559.1).Cal.S.) or ((250/559.4).Cal.S.) or ((250/559.4).Cal.S.) or ((250/559.1).Cal.S.) or ((250/559.58).Cal.S.) or ((235/473).Cal.S.) or ((435/4).Cal.S.) or ((359/57).Cal.S.) or ((359/556).Cal.S.) o	Continue	and (alubstrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4) [13] ((435/6).CCL.S.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identit\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2)) [10] (((359/2).CCL.S.) or ((359/566).CCL.S.) or ((359/572).CCL.S.) or ((359/5731).CCL.S.) or ((359/572).CCL.S.) or ((359/5731).CCL.S.) or ((359/572).CCL.S.) or ((359/5731).CCL.S.) or ((359/572).CCL.S.) or ((359/5731).CCL.S.) or ((250/559.04).CCL.S.) or ((250/559.11).CCL.S.) or ((250/559.04).CCL.S.) or ((250/559.11).CCL.S.) or ((250/

5129	717	((((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/572).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/128).Cals.) or ((385/128).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/227.14).Cal	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TOB	OR	ON	2005/12/20 15:35
5130	273	(((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/528).CCLS.) or ((436/531).CCLS.)) and grating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/20 15:35
5131	1717	(((bragg or diffract\$) with grating) same (refract\$ near3 ind\$4)) and ((scatter\$ or diffract\$ or reflect\$) with (beam or light)) and chemical	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/20 17:51
5132	400	S131 and substrate and embed\$	IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/20 17:50
S133	60	(((bragg or diffract\$) with grating) same (refract\$ near3 ind\$4) same embed\$) and ((scatter\$ or diffract\$ or reflect\$) with (beam or light)) and chemical and substrate	IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/20 18:04
S134	91	(((bragg or diffract\$) near4 grating) with (refract\$ near3 ind\$4)) and ((scatter\$ or diffract\$ or reflect\$) with (beam or light)) and chemical and substrate and code	IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/20 18:18
S135	7	((((bragg or diffract\$) near4 grating) with (refract\$ near3 ind\$4)) and chemical and substrate and code).clm.	; IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ОИ	2005/12/20 18:20
5136	7	((((bragg or diffract\$) near4 grating) with (refract\$ near3 ind\$4)) and chemical and code).clm.	IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2005/12/20 18:20
S137	2	("5745615"),PN.	IBM_TDB US-P6PUB; USPAT; EPO; JPO; DERWENT	OR .	OFF	2005/12/22 17:08
S138	2	("6035082").PN.	; IBM_TDB US-P6PUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/22 17:14
			IBM_TDB			

						
5139	2	("6542673").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/12/22 17:15
			IBM_TDB			
S140	108	(((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or ((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or ((356/72).CCLS.) or ((356/73.1).CCLS.) or ((385/12).CCLS.) or ((385/12).CCLS.) or ((250/559.04).CCLS.) or ((250/559.11).CCLS.) or ((250/559.4).CCLS.) or ((250/227.14).CCLS.) or ((250/227.29).CCLS.) or ((250/566).CCLS.) or ((250/568).CCLS.) or ((250/567).CCLS.) or ((250/568).CCLS.) o	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 11:11
S141	14		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 18:23
S142	135	(((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR .	ÓN	2006/08/04
			IBW_TDB			
5143	9	((435/6).CCLS.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2006/08/04
5144	131	((435/6).CCLS.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	IBM_TDB US-PGPUB; USPAT; EPO; JPO; DERWENT; ; IBM_TDB	OR	ON	2006/08/04 18:24
S145	239	(((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/568).Cals.) or ((250/227.29).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/227.29).Cals.) or ((435/288.7).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/568).Cals.) or ((250/227.29).Cals.) or ((250/568).Cals.) or ((250/227.29).Cals.) or ((250/268).Cals.) or ((250	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/04 18:24 .
5146	231	((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2006/08/04 18:24
5147	185	((((436/518).CQ.S.) or ((436/524).CQ.S.) or ((436/525).CQ.S.) or ((436/526).CQ.S.) or ((436/526).CQ.S.) or ((436/526).CQ.S.) or ((436/531).CQ.S.)) and grating) and (refract\$ near3 ind\$4)	IBM_TOB US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/04 18:25
			IBM_TDB			

						
S148	302	(((436/518).CQLS.) or ((436/524).CQLS.) or ((436/525).CQLS.) or ((436/526).CQLS.) or ((436/526).CQLS.) or ((436/528).CQLS.) or ((436/531).CQLS.)) and grating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/04
			IBM_TDB			·
5149	413	(((359/2).Cal.s.) or ((359/566).Cal.s.) or ((359/569).Cal.s.) or ((359/558).Cal.s.) or ((359/571).Cal.s.) or ((359/572).Cal.s.) or ((356/72).Cal.s.) or ((356/73.1).Cal.s.) or ((385/12).Cal.s.) or ((385/12).Cal.s.) or ((385/12).Cal.s.) or ((250/559.04).Cal.s.) or ((250/559.11).Cal.s.) or ((250/559.4).Cal.s.) or ((250/227.14).Cal.s.) or ((250/227.29).Cal.s.) or ((250/566).Cal.s.) or ((250/568).Cal.s.) or ((250/227.29).Cal.s.) or ((250/568).Cal.s.) or ((250/227.29).Cal.s.) or ((250/568).Cal.s.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/08/04 18:25
		(((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))				
S150	813	((((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/128).Cals.) or ((385/37).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/Ò8/04 18:25
		(optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)				
S151	114	((359/558).Ca.S.) or ((359/571).Ca.S.) or ((359/572).Ca.S.) or ((356/72).Ca.S.) or ((356/73.1).Ca.S.) or ((385/12).Ca.S.) or ((385/128).Ca.S.) or ((385/128).Ca.S.) or ((250/559.04).Ca.S.) or ((250/559.11).Ca.S.) or ((250/559.4).Ca.S.) or ((250/227.14).Ca.S.) or ((250/227.29).Ca.S.) or ((250/566).Ca.S.) or ((250/568).Ca.S.) or ((250/227.29).Ca.S.) or ((250/227.29).Ca.S.) or ((250/227.29).ca.S.) or ((250/227.29).ca.S.) or ((250/227.29).ca.S.) or ((250/568).ca.S.) or ((250/227.29).ca.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 19:55
		((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))				:
S152	16	((435/6).CCLS.) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 19:55
			IBM_TOB			
S153	156	(((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04
			IBM_TOB			
5154	10	((435/6).CCLS.) and (((bragg) near3 (reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ;	OR	ON .	2007/01/04 19:55
			IBW_TDB			
S155	150	((435/6).CCLS.) and (((diffract\$ or bragg or hologra\$) near3 grating) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT ;	OR	ON	2007/01/04 19:55
_			IBM_TDB			

C4=1		(1050 to 1050	T.,,,,,,,,,,	T	T	T
S156	253	(((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((356/72).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/559.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/566).Cals.) or ((250/568).Cals.) or ((235/473).Cals.) or ((435/4).Cals.) or ((435/288.7).Cals.)) and (((bragg) near3 (grating or reflect\$)) same (substrate or (optic\$ near3 (fiber or waveguide)))) and (id or identif\$ or code or information or authent\$) and ((bind\$3 or attach\$4 or connect\$3 or bound\$3) with (chemical or element or species or assay or ion or molecule or atom\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04
S157	264	((435/6).CCLS.) and ((diffract\$ or bragg or hologra\$) near3 grating) and (substrate or (optic\$4 near3 fiber)) and (chemical or species or assay)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 19:55
S158	207	((((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/526).CCLS.) or ((436/531).CCLS.)) and grating) and (refract\$ near3 ind\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 19:55
5159	330	(((436/518).CCLS.) or ((436/524).CCLS.) or ((436/525).CCLS.) or ((436/526).CCLS.) or ((436/526).CCLS.) or ((436/531).CCLS.)) and grating	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 19:56
S160	443	(((359/2).Cals.) or ((359/566).Cals.) or ((359/569).Cals.) or ((359/558).Cals.) or ((359/558).Cals.) or ((359/571).Cals.) or ((359/572).Cals.) or ((356/72).Cals.) or ((356/73.1).Cals.) or ((385/12).Cals.) or ((385/12).Cals.) or ((250/559.04).Cals.) or ((250/559.04).Cals.) or ((250/559.11).Cals.) or ((250/569.4).Cals.) or ((250/227.14).Cals.) or ((250/227.29).Cals.) or ((250/566).Cals.) or ((250/227.29).Cals.) or ((435/43).Cals.) or ((550/227.14).Cals.) or ((550/257.44).Cals	US-P6PUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 19:56
S161	874	((((359/2).CCLS.) or ((359/566).CCLS.) or ((359/569).CCLS.) or ((359/558).CCLS.) or ((359/571).CCLS.) or ((359/572).CCLS.) or ((359/572).CCLS.) or ((356/72).CCLS.) or ((356/72).CCLS.) or ((385/12).CCLS.) or ((385/128).CCLS.) or ((385/128).CCLS.) or ((250/559.04).CCLS.) or ((250/559.11).CCLS.) or ((250/559.4).CCLS.) or ((250/227.14).CCLS.) or ((250/227.29).CCLS.) or ((250/566).CCLS.) or ((250/568).CCLS.) or ((250/564).CCLS.) or ((250/568).CCLS.) or ((250/564).CCLS.) or ((250/568).CCLS.) or ((250/564).CCLS.) or ((250/568).CCLS.) or ((250/564).CCLS.) or ((250/568).CCLS.) o	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2007/01/04 19:56